



# BOOSTER PUMP

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When your water supply can't meet pressure demands, the Booster Pump jumps in.

The **Booster Pump** is essential when your facility's water supply can't meet the minimum requirements of the *Raptor Spark Detection and Extinguishing System*.

- Delivers consistent 60–112 PSI for effective spark suppression
- Maintains pressure over long hose runs & vertical climbs
- Pre-wired, assembled, and tested in-house
- Mounted on a durable base for easy installation & transport

# BOOSTER PUMP MAIN COMPONENTS

## PUMP



The system features an AMT MSV3-12-1P, 1.5HP gravity-fed pump operating on 120V/16A single-phase power. It delivers 4–23 GPM and pressurizes up to 112 PSI (max set point via pressure switch).

## HYDROPHORE STORAGE TANK



Hydrophore tank capable of supplying 2+ extinguishing events, depending on application and pressure switch setup. Max pressure: 112 PSI. Proper pressure switch and relief valve settings are critical. Tank size 26gal (air + water).

## WATER RESERVOIR



40-gallon reservoir tank. Includes a float valve, garden hose fitting, and bottom ball valve with cam & groove fitting for easy pump integration.

## KEY FEATURES

- **Intuitive Control Panel:** Simplified interface for quick and easy operation.
- **Automatic Shutdown Signal:** Built-in safety feature that can be used for alerts and shutdown other systems when needed.
- **Adjustable Pressure Switch:** Customize pressure settings to suit any job or application.
- **Pressure Switch:** Tailor Water Booster Pump pressure to customer application.
- **Flow Switch:** Protects against dry run damage.
- **Integrated Pressure Relief Valve:** Prevents overpressure.
- **Convenient Drain Valve:** Simplifies the draining of pressurized water from the storage tank.
- **Hose-Compatible Design:** Built to work with hoses or rigid piping, making setup and connections fast and flexible.
- **Designed for Long Hose Use:** Effectively reaches elevated or distant locations without the need for elevated mounting.

**RAPTOR**Series.